

I. Amendments to the Claims

1-43 (canceled)

44. (currently amended) Recombinant host cells each of which harbors a nucleic acid fragment encoding one member of a specific binding pair whereby the host cells collectively harbor a library of nucleic acid fragments comprising fragments encoding a genetically diverse population of specific binding pair members, each member of a specific binding pair being expressed as a fusion with a gene III coat protein surface component of a filamentous bacteriophage so that each said member of a specific binding pair comprises a binding domain for its complementary specific binding pair member and is displayed on the surface of bacteriophage particles, and genetic material of each said bacteriophage particle encodes said bacteriophage particle's **associated** displayed member of a specific binding pair, said genetic material being a phagemid genome **wherein the only nucleotide sequences derived from filamentous bacteriophage in the phagemid genome are an origin of replication and nucleotide sequence encoding a gene III capsid protein** ~~which is plasmid nucleic acid containing a single stranded phage replication origin and a nucleotide sequence~~ encoding said fusion and wherein said genetic material is packaged into particles by a helper phage whereby each particle has a coat partially derived from the helper phage and partly from said fusion.
45. (previously amended) Recombinant host cells according to claim 44 wherein said genetically diverse population is derived from in vitro mutagenesis of nucleic acid encoding a member of a specific binding pair.
46. (previously amended) Recombinant host cells according to claim 45 wherein said member of a specific binding pair comprises a binding domain of an immunoglobulin.
47. (previously amended) Recombinant host cells according to claim 44 wherein said member of a specific binding pair comprises a binding domain of an immunoglobulin.
48. (previously presented) Recombinant host cells according to claim 47 wherein said genetically diverse population is derived from the repertoire of rearranged immunoglobulin genes of an animal immunized with complementary specific binding pair member.
49. (previously presented) Recombinant host cells according to claim 47 wherein said genetically diverse population is derived from the repertoire of rearranged immunoglobulin genes of an animal not immunized with complementary specific binding pair member.

50. (previously amended) Recombinant host cells according to claim 46 wherein said member of a specific binding pair is a scFv molecule.
51. (previously amended) Recombinant host cells according to claim 47 wherein said member of a specific binding pair is a scFv molecule.
52. (previously amended) Recombinant host cells according to claim 48 wherein said member of a specific binding pair is a scFv molecule.
53. (previously amended) Recombinant host cells according to claim 49 wherein said member of a specific binding pair is a scFv molecule.